

SUPPLEMENTARY MATERIAL

Supplementary Tables [provided as a multi-sheet MS Excel file]

	A	B
1	Supplementary Tables	
2		
3	Table	Content
4	ST1	Annotated list of 1,980 proteins assayed in this GWAS
5	ST2	Annotated list of 252 pQTLs identified in this study
6	ST3	Summary statistics for association of the 1,980 with age, sex, and ten genotype principle components (PCs)
7	ST4	6498 proteins with age & sex associations in at least one of deCODE, UKBPPP, and Tarkin
8	ST5	1,881 pQTLs from deCODE, annotated with association data with proteins and peptides in Tarkin and QMDiab
9	ST6	1,917 pQTLs from UKB-PPP, annotated with association data with proteins and peptides in Tarkin and QMDiab
10	ST7	322 pQTLs from deCODE, scored with MSPA
11	ST8	374 pQTLs from UKB-PPP, scored with MSPA
12	ST9	46 cis-pQTLs reported both by deCODE and UKBPPP, evaluated on same SNPs in Tarkin and QMDiab
13	ST10	66 cis-pQTLs with potential epitope-effect generating variants

Supplementary Figures

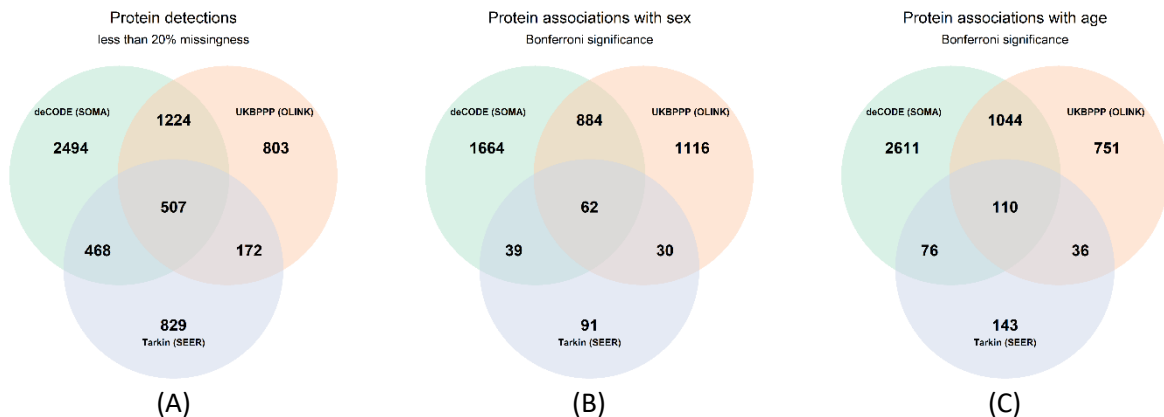


Figure S1: Venn diagrams. Proteins reported by the three studies, 1,980 proteins with <20% missingness for Tarkin, out of 5,753 proteins quantified across the discovery cohort (A); Proteins associated with sex (B) and age (C) at a significance level of 0.05 / number of proteins reported.

The following Figures are provided as separate PDF files:

Figure S2: Violin plots of protein and peptide levels by genotype for 252 pQTLs identified in this study. See Figure 3 for legend. File: [Figure_S2_PGwas_replicate_check.20240523.pdf](#)

Figure S3: Violin plots of protein and peptide levels by genotype for 322 pQTLs identified by the deCODE OLINK study. See Figure 7 for legend. File: [Figure_S3_PGwas_test_epitope_SOMA.20240523.pdf](#)

Figure S4: Violin plots of protein and peptide levels by genotype for 374 pQTLs identified by the UKB-PPP SOMAScan study. See Figure 7 for legend. File: [Figure_S4_PGwas_test_epitope_OLINK.20240523.pdf](#)